BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Improvement Roads & Drains at Karekallu (Vinayaka Nagara) in Ward No 14 Bagalagunte

							Est. Cost Rs	20.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D		Qty	Rate	Amount
1	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2015-16)									
		Cum	4	133	0.20	0.30		31.92		
	Basic Rate	5084.00						31.92	5490.72	175264.00
	Add Area Weightage 8%	406.72								
	Total	5490.72								
2	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials									
		Sqm	2	133.00	0.90			239.40		
	Data Rates Approved							239.40	1600.00	383040.00
3	KSRRB 500-3: **Scarifying** existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications Specification No. KRBS 500-1 MORTH Chapter 5 Page No. 160/ Item No. 21.3/ PWD SR 2015-16									
		Sqm	1	250.00	5.00			1250.00		
	Basic Rate	82.00						1250.00	88.56	110700.00
	Add Area Weightage 8%	6.56								
	Total	88.56								
4	KSRRB M400-1 For Grading I material construction of **granular sub-base** by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2015-16									
		Cum	1	250.00	5.00	0.10		125.00		
	Basic Rate	1353.00						125.00	1461.24	182655.00
	Add Area Weightage 8%	108.24								
	TOTAL	1461.24								

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Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2015-16, P.No.154, I No.20.18)						250.00		428490.00
	Roads 157	Cum.	1	250.00 201.00	5.00	0.20	201.00	1713.96	344506.00
	Basic Rate	1587.00							
	Add Area Weightage 8%	126.96							
	Total	1713.96							
5	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2015-16, P.No.157, I No.21.6)						1250.00		
		Sqm	1	160 250.00 201.00	5.00		1005.00		40500.00
							1005.00 1250.00	32.40	32562.00
	Basic Rate	30.00							
	Add Area Weightage 8%	2.40							
	Total	32.40							
6	Providing and laying **bituminous concrete** with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen (p-164, lt 21.22.6) PWD SR 2015-16						50.00		
		Cum	1	250.00 201.00	5.00	0.045	45.23		491130.00
	Basic Rate	9095.00				0.040	45.23	9822.60	444227.00
	Add Area Weightage 8%	727.60					50.00		
	Total	9822.60							

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Job Number Certificate : 014-16-000038

P code : P1878 15% works Bhagyajati / Surur / Neeru Jogur - New wards.

CE/02/AS/28/2016-17

ನಂ. PB 70. ದಿನಾಂಕ : 26-07-2016.

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ಶ್ರೀ ಇಸ್ಮಾಯಿಲ್ ಅಜೀಜ್ ಖಾನಾಡಿ ಗಳ

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ಮುಖ್ಯ ಅಭಿಯಂತರರು

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Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2015-16								
		Cum		Qty Vide Item No. 3			1005.00	84.50	84923.00
				1000x.075			75.38		
	Loading and Unloading	68.00		1250.00x0.075			93.75		7922-00
	Lead 4 KMs	10.24							
		78.24							
	Area Weightage @ 8%	6.26							
	Total	84.50		8+1=9%					
8	KRIDL & Quality control Test Charges 9+1=10%							L.S	200000.00
9	Miscellaneous and UnforessenCharges							L.S	3004.00
								Total	2000000.00

(Rupees.Twenty Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2015-16
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

Job no:- 014-16-000038

P-Code:- 1878 18% Works 24.10%

ನಂ. ಎಇಇ/ಟಿಡಿ/35/16-17 ದಿನಾಂಕ :27/7/2016

ರೂ. 20.00 Lakhs (Rupees Twenty lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು